

# Weekly report

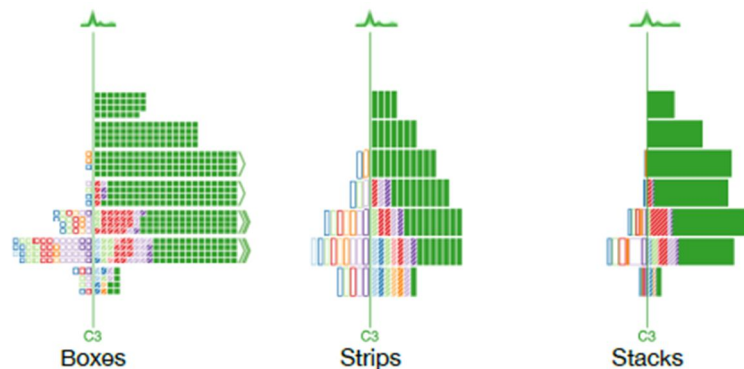
1 Done

1.1 Reading:

## 1.1.1 Squares Supporting Interactive Performance Analysis for

### Multiclass Classifiers (Donghao Ren):

Squares is a performance visualization for multiclass classification problems. It employs line chart to show the confusion among classes. Squares also has three different designs including boxes, strips and stacks to display data in respective levels.

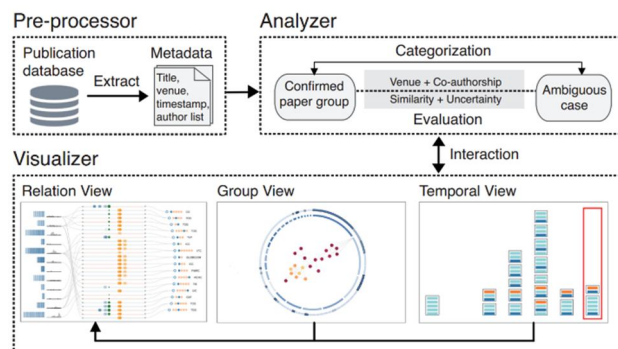


It becomes more and more universal to design for different scalabilities. We should consider this into our project in the future. However, in this visualization, I am not sure the “strips” is necessary. First of all, in this design, data is rounded (actually a lot of items are one or two and they are rounded to one bar like four, as we can compare strips and stacks to see the total lengths are quite different) so that it is distorted. Next, combining four boxes into one bar is not conducive to count the number.

## 1.1.2 NameClarifier: A Visual Analytics System for Author

### Name Disambiguation (Qiaomu Shen)

NameClarifier is designed to solve the problem about distinguish between different authors with the same name.



They qualify allocation likelihood and confidence measurements, which are used to identify authors with relation view. The two other views (group view and temporal view) are used to verify the previous preliminary conclusions.

## 1.2 Course papers

This short term is coming to an end and I have to submit many course papers. This work I mainly focused on finishing them.

## 1.3 Project

We had a talk and related information can be found in another document.

## 1.4 VIS Summary

I have talked with these people.

- 1) Melanie Tory: A senior research scientist at Tableau. Her research focuses on interactive visual data analysis. We talked about how to evaluate subjective answers after Sheelagh's talk.
- 2) Nadia Boukhelifa: A member of uncertainty study group of Utah. Her research focuses on visual analytics, information visualization and human-computer interaction. She introduced her work to me and we talk about adding uncertainty to protect privacy.
- 3) Yingjie Chen: An assistant professor of computer graphics technology, Purdue University.
- 4) Diana Fernández-Prieto: One of the contributor of STRAD wheel, a very interesting web-based library for the visualization of temporal data.

I have established contact with these Chinese doctoral students: Siming Chen (PKU), Lina Yu, Siwei Fu (HKUST), Jieqiong Zhao (Purdue). And we also join a wechat group for Chinese visualization students.

## 2 To Do

Review and prepare for examinations.